

Table 28.9

Childhood Cancer
SEER Incidence Rates, U.S. Death Rates and 5-Year Relative Survival Percentages
For Top Cancer Sites^f By 5-Year Age Groups
All Races, Males and Females

Age/Site	SEER Incidence ^a					US Mortality ^b					5-year Relative Survival ^a	
	2011-2015 Num Cases	2011-2015 Rate	1975-2015 APC	1975-1995 APC	1996-2015 APC	2011-2015 Num Deaths	2011-2015 Rate	1975-2015 APC	1975-1995 APC	1996-2015 APC	1975-1978	2008-2014
Ages 0-4												
All Sites	6,346	22.2	0.7*	1.1*	0.4 [®]	2,051	2.0	-2.5*	-2.9*	-1.6* [#]	57.2	85.3 ^c
Soft tissue	495	1.7	1.1*	1.3	1.3	123	0.1	-1.5*	-1.6*	0.4 [®]	62.0 ^d	83.9 ^c
Kidney and Renal pelvis	555	1.9	-0.1	0.6	-0.4	65	0.1	-	-5.3*	-	71.9	93.7 ^c
Eye and Orbit	407	1.4	0.0	1.9*	-0.7 [#]	21	0.0	-	-	-	87.2 ^d	96.2 ^c
Brain and Other nervous	1,160	4.1	1.1*	2.3*	0.6 [#]	575	0.6	-1.3*	-1.1*	-1.5*	52.0	73.7 ^c
Other endocrine ^g	420	1.5	-	-	-	319	0.3	-	-	-	35.7 ^d	78.1 ^c
Leukemia	2,370	8.3	0.7*	0.7	0.4	638	0.6	-2.8*	-3.6*	-1.8* [#]	55.4	89.4 ^c
Acute lymphocytic	1,899	6.6	0.7*	0.7*	0.2	197	0.2	-3.8*	-5.7*	-2.1* [#]	63.2	94.5 ^c
Ages 5-9												
All Sites	3,768	12.9	0.5*	0.5	0.9*	2,203	2.2	-2.4*	-3.3*	-1.1* [#]	58.4	84.1 ^c
Brain and Other nervous	1,006	3.4	0.5*	1.2	0.9	931	0.9	-0.4*	-0.7*	0.4 [#]	59.1	71.8 ^c
Leukemia	1,268	4.3	0.4*	0.9	0.2	487	0.5	-4.6*	-5.2*	-3.3* [#]	51.0	89.3 ^c
Acute lymphocytic	1,069	3.7	0.7*	1.1	0.2	238	0.2	-5.2*	-6.2*	-3.7* [#]	54.8	91.4 ^c
Ages 10-14												
All Sites	4,244	14.5	0.7*	0.9*	0.6*	2,232	2.2	-2.0*	-2.5*	-1.3* [#]	58.7	85.6 ^c
Bone and Joint	445	1.5	0.3	1.2	1.0	266	0.3	-1.1*	-2.4*	0.2 [#]	52.8 ^d	73.1 ^c
Brain and Other nervous	779	2.7	0.7*	1.9*	-0.4 [#]	658	0.6	-1.0*	-1.7*	-0.5 [#]	59.5	83.4 ^c
Hodgkin lymphoma	340	1.2	-0.5*	-0.8	0.6	-	-	-	-	-	79.0	98.8 ^c
Leukemia	966	3.3	0.7*	0.7	1.1*	631	0.6	-2.9*	-3.1*	-2.8*	34.0	82.2 ^c
Acute lymphocytic	672	2.3	1.0*	1.5	1.4*	316	0.3	-3.3*	-3.4*	-3.0*	43.0 ^d	86.4 ^c
Ages 15-19												
All Sites	6,997	23.3	0.6*	0.9*	1.0*	3,107	2.9	-1.9*	-2.1*	-1.6* [#]	67.8	86.1 ^c
Bone and Joint	446	1.5	0.2	1.1	0.0	506	0.5	-1.0*	-2.3*	-0.6 [#]	51.0 ^d	70.4 ^c
Melanoma of the skin	291	1.0	0.6	2.0*	-1.0 [#]	28	0.0	-	-	-	76.2 ^d	98.4 ^c
Testis(males)	624	4.0	1.2*	1.8	1.2	35	0.1	-	-	-	66.0 ^d	94.8 ^c
Brain and Other nervous	725	2.4	0.5	1.2	1.0	574	0.5	-1.0*	-1.1*	-0.2 [®]	65.3	76.2 ^c
Thyroid	921	3.1	2.5*	0.5	4.4* [#]	-	-	-	-	-	100.0	99.5
Hodgkin lymphoma	905	3.0	-0.5*	0.0	0.2	46	0.0	-	-4.0*	-	89.0	96.9 ^c
Non-Hodgkin lymphoma	592	2.0	1.5*	2.7*	1.2	157	0.1	-3.1*	-2.4*	-4.1* [#]	47.7 ^d	88.7 ^c
Leukemia	963	3.2	0.7*	0.7	0.6	815	0.8	-2.3*	-2.0*	-2.6*	23.8	72.0 ^c
Acute lymphocytic	533	1.8	0.9*	0.9	0.4	325	0.3	-2.4*	-1.7*	-3.1* [#]	30.0 ^d	79.2 ^c

The APC is the Annual Percent Change over the time interval.

Note: Incidence and death rates are per 100,000 and are age-adjusted(as appropriate) to the 2000 US Std Population (19 age groups - Census P25-1130).

^a Incidence data used in calculating the rates are from the SEER 18 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey and Georgia excluding ATL/RG).

Incidence data used in calculating the trends and survival estimates are from the 9 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

^b US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

^c The difference between 1975-1978 and 2008-2014 is statistically significant (p<.05).

^d The standard error is between 5 and 10 percentage points.

^e The standard error is greater than 10 percentage points.

^f Sites were chosen based on more than 100 SEER incidence cases between 2011-2015.

^g APCs suppressed because of inconsistent classification across ICD: ICD-8 (1975-1978), ICD-9 (1979-1998), ICD-10 (1999-2008).

* The APC is significantly different from zero (p<.05).

The APC for 1996-2015 is significantly different from the APC for 1975-1995 (p<.05).

® The APC for 1996-2015 is significantly different from the APC for 1975-1995 (p<.10).

- Statistic not shown. Age-adjusted rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval. Survival rate based on less than 25 cases for the time interval.